

1337 S. 46th Street Building 201 Richmond, CA 94804

Date: 2/15/2012

Subject: Analytical Testing Results - Project R33911

SDG: 12039A

From: Brenda Bettencourt, Director

EPA Region 9 Laboratory

MTS-2

To: Richard Fetzer

US EPA Region 3, Eastern Response Branch

3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Extractable Petroleum Hydrocarbons by GC/FID

DIM0186300 DIM0186300



1337 S. 46th Street, Building 201, Richmond, CA 94804 Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer US EPA Region 3, Eastern Response Branch SDG: 12039A

 Project Number:
 R33911
 100 Gypsum Road
 Reported:
 02/15/12 17:18

Project: Dimock Residential Groundwater Stroudsburg PA, 18360

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW43	1202020-01	Water	02/06/12 12:06	02/08/12 09:50
HW43-P	1202020-02	Water	02/06/12 12:19	02/08/12 09:50
HW31	1202020-03	Water	02/06/12 18:20	02/08/12 09:50
HW31-P	1202020-04	Water	02/06/12 18:28	02/08/12 09:50
HW31z	1202020-05	Water	02/06/12 18:20	02/08/12 09:50
FB11	1202020-07	Water	02/06/12 14:36	02/08/12 09:50
HW30	1202020-08	Water	02/06/12 14:34	02/08/12 09:50
HW30-P	1202020-09	Water	02/06/12 15:00	02/08/12 09:50
HW15a	1202020-11	Water	02/07/12 10:47	02/08/12 09:50
HW15a-P	1202020-12	Water	02/07/12 10:55	02/08/12 09:50
FB12	1202023-01	Water	02/07/12 13:35	02/09/12 10:00
HW51	1202023-02	Water	02/07/12 13:48	02/09/12 10:00
HW51-P	1202023-03	Water	02/07/12 13:56	02/09/12 10:00
HW47	1202023-05	Water	02/08/12 11:50	02/09/12 10:00
HW47-P	1202023-06	Water	02/08/12 12:25	02/09/12 10:00
FB13	1202023-08	Water	02/08/12 09:00	02/09/12 10:00
HW38	1202023-09	Water	02/08/12 10:41	02/09/12 10:00
HW38-P	1202023-10	Water	02/08/12 10:52	02/09/12 10:00

SDG ID 12039A

Extractable Petroleum Hydrocarbons:

Samples 1202023-08, -09, and -10 were received at 8 degrees C, which is above the recommended temperature range of 2 - 6 degrees C. No significant impact is anticipated on the sample results.

Insufficient sample volume was provided to perform matrix spike / matrix spike duplicate (MS/MSD) analysis on any samples for this sample delivery group.

Work Order(s)

1202020

1202023

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Project Manager: Richard Fetzer **US EPA Region 3, Eastern Response Branch SDG:** 12039A

Project Number: R33911 100 Gypsum Road **Reported:** 02/15/12 17:18

Project: Dimock Residential Groundwater Stroudsburg PA, 18360

Sample Results

Analyte		Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1202020-01							Wat	er - Sample	ed: 02/06/12 12:0
Sample ID:	HW43								_	EPA Method 8015
ГРН - Diesel Ra			ND		250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			85 %	60-127%		"	"	"	
Lab ID:	1202020-02							Wat	er - Sampl	ed: 02/06/12 12:1
Sample ID:	HW43-P						Extractable Pe	troleum Hydro	carbons by	EPA Method 8015
ΓΡΗ - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			94 %	60-127%		"	"	"	
Lab ID:	1202020-03							Wate	er - Sample	ed: 02/06/12 18:2
Sample ID:	HW31						Extractable Pe	troleum Hydro		EPA Method 8015
ΓΡΗ - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			103 %	60-127%		"	"	"	
ab ID:	1202020-04							Wat	er - Sample	ed: 02/06/12 18:2
Sample ID:	HW31-P			**		~				EPA Method 8015
ГРН - Diesel Ra			ND		250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
lurrogate: Hexa	cosane			87 %	60-127%		"	"	"	
ab ID:	1202020-05							Wat	er - Sampl	ed: 02/06/12 18:2
Sample ID:	HW31z									EPA Method 8015
ГРН - Diesel Ra			ND		270	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,100	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			101 %	60-127%		"	"	"	
Lab ID:	1202020-07							Wat	er - Sample	ed: 02/06/12 14:3
Sample ID:	FB11						Extractable Pe	troleum Hydro	_	EPA Method 8015
ΓΡΗ - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			87 %	60-127%		"	"	"	
Lab ID:	1202020-08							Wat	er - Sample	ed: 02/06/12 14:3
Sample ID:	HW30									EPA Method 8015
TPH - Diesel Ra			ND	U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
TPH - Oil Rang	e Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
Surrogate: Hexa	cosane			89 %	60-127%		"	"	"	
Lab ID:	1202020-09							Wot	er _ Samrl	ed: 02/06/12 15:0

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Project Number: R33911 **100 Gypsum Road Reported:** 02/15/12 17:18

Project: Dimock Residential Groundwater Stroudsburg PA, 18360

Sample Results

Analyte	Reanalysis / Extract Resul	Qualifiers / lt Comments		Units	Batch	Prepared	Analyzed	Method
ab ID: 1202020-09						Wat	er - Sampl	ed: 02/06/12 15:0
ample ID: HW30-P				~				EPA Method 8015
PH - Diesel Range Organics		ID U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
PH - Oil Range Organics	И	ID U	1,000	"	"	"	"	8015C/SOP385
urrogate: Hexacosane		88 %	60-127%		"	"	"	
ab ID: 1202020-11						Wat	er - Sampl	ed: 02/07/12 10:-
mple ID: HW15a						troleum Hydro	carbons by	EPA Method 8015
PH - Diesel Range Organics	Λ	ID U	250	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
PH - Oil Range Organics	Λ	ID U	1,000	"	"	"	11	8015C/SOP385
rrogate: Hexacosane		97 %	60-127%		"	"	"	
ab ID: 1202020-12						Wat	er - Sampl	ed: 02/07/12 10:
mple ID: HW15a-P								EPA Method 8015
PH - Diesel Range Organics	И	ID U	240	ug/L	B2B0037	02/08/12	02/09/12	8015C/SOP385
PH - Oil Range Organics	Ъ	ID U	950	"	н	"	"	8015C/SOP385
rrogate: Hexacosane		95 %	60-127%		"	"	"	
ab ID: 1202023-01						Wat	er - Sampl	ed: 02/07/12 13:3
mple ID: FB12					Extractable Pe	troleum Hydro	carbons by	EPA Method 8015
PH - Diesel Range Organics	Ŋ	D U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
PH - Oil Range Organics	7	ID U	1,000	"	"	n	11	8015C/SOP385
rrogate: Hexacosane		92 %	60-127%		"	"	"	
ab ID: 1202023-02						Wat	er - Sampl	ed: 02/07/12 13:4
ample ID: HW51								EPA Method 8015
PH - Diesel Range Organics	7	ID U	260	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
PH - Oil Range Organics	7	ID U	1,100	"	"	"	"	8015C/SOP385
rrogate: Hexacosane		86 %	60-127%		"	"	"	
ab ID: 1202023-03						Wate	er - Sampl	ed: 02/07/12 13:5
ample ID: HW51-P					Extractable Pe	troleum Hydro	carbons by	EPA Method 8015
PH - Diesel Range Organics	И	ID U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
PH - Oil Range Organics	Ν	ID U	1,000	n	"	n	n .	8015C/SOP385
arrogate: Hexacosane		88 %	60-127%		"	"	"	
ab ID: 1202023-05						Wat	er - Sampl	ed: 02/08/12 11:5
ample ID: HW47					Extractable Pe			EPA Method 8015
PH - Diesel Range Organics	7	D U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
PH - Oil Range Organics	Ν	ID U	1,000	n	n	"	n .	8015C/SOP385
rrogate: Hexacosane		84 %	60-127%		"	"	"	
ah ID: 1202023-06								ed+ 02/08/12 12+2

Lab ID: 1202023-06 Water - Sampled: 02/08/12 12:25

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Sample Results

Analyte		Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID:	1202023-06							Wat	er - Sampl	ed: 02/08/12 12:25
Sample ID:	HW47-P						Extractable Pet	troleum Hydro	carbons by	EPA Method 8015B
TPH - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
TPH - Oil Range	Organics		ND	U	1,000	"	n	"	n .	8015C/SOP385
Surrogate: Hexa	cosane			92 %	60-127%		"	"	"	
Lab ID:	1202023-08							Wat	er - Sampl	ed: 02/08/12 09:00
Sample ID:	FB13						Extractable Pet	troleum Hydro	carbons by	EPA Method 8015B
TPH - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
TPH - Oil Range	Organics		ND	U	1,000	"	"	"	n	8015C/SOP385
Surrogate: Hexa	cosane			86 %	60-127%		"	"	"	
Lab ID:	1202023-09							Wat	er - Sampl	ed: 02/08/12 10:41
Sample ID:	HW38						Extractable Pet	troleum Hydro	carbons by	EPA Method 8015B
TPH - Diesel Ra	nge Organics		ND	U	240	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
TPH - Oil Range	Organics		ND	U	950	"	n	n	"	8015C/SOP385
Surrogate: Hexa	cosane			96 %	60-127%		"	"	"	
Lab ID:	1202023-10							Wat	er - Sampl	ed: 02/08/12 10:52
Sample ID:	HW38-P						Extractable Pet	troleum Hydro	carbons by	EPA Method 8015B
TPH - Diesel Ra	nge Organics		ND	U	250	ug/L	B2B0043	02/09/12	02/10/12	8015C/SOP385
TPH - Oil Range	Organics		ND	U	1,000	n	n	"	n.	8015C/SOP385
Surrogate: Hexa	cosane			88 %	60-127%		"	"	"	

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Quality Control

Analyte	Result	Qualifiers Comment	Quantitation .	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD Limit
Batch B2B0037 - 3520C CLLE - TPH - Extractable							Prepa	red: 02/08/12	Analyzed: 02/09/12
D			Ext	ractabl	e Petroleum	Hydrocark	ons by EP.	A Method 8015	B - Quality Contro
Blank (B2B0037-BLK1)				~					
TPH - Diesel Range Organics	ND	U	250 u	_					
TPH - Oil Range Organics	ND	U	1,000	"					
Surrogate: Hexacosane		133		"	150		89	60-127	
LCS (B2B0037-BS1)									
TPH - Diesel Range Organics	1,220		250 u	ıg/L	1500		81	54-115	200
Surrogate: Hexacosane		134		"	150		89	60-127	
Batch B2B0043 - 3520C CLLE - TPH - Extractable							-		Analyzed: 02/10/12
Blank (B2B0043-BLK1)			Ext	tractabl	le Petroleum	ı Hydrocarl	ons by EP.	A Method 8015	B - Quality Contro
TPH - Diesel Range Organics	ND	U	250 u	ıg/L					
TPH - Oil Range Organics	ND	U	1,000	"					
Surrogate: Hexacosane		132		"	150		88	60-127	
LCS (B2B0043-BS1)									
TPH - Diesel Range Organics	1,220		250 u	ıg/L	1500		82	54-115	200

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Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.

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